

# Subtract Mixed Numbers With Unlike Denominators

Find  $5\frac{1}{2} - 1\frac{7}{8}$ .

**Step 1:** Use the LCD to find equivalent fractions.

$$\begin{array}{r} 5\frac{1}{2} = 5\frac{4}{8} \\ - 1\frac{7}{8} = - 1\frac{7}{8} \\ \hline \end{array}$$

**Step 2:** Rename the mixed numbers.

$$\begin{array}{r} 5\frac{4}{8} = 4\frac{12}{8} \\ - 1\frac{7}{8} = - 1\frac{7}{8} \\ \hline \end{array}$$

**Step 3:** Subtract and simplify.

$$\begin{array}{r} 4\frac{12}{8} \\ - 1\frac{7}{8} \\ \hline 3\frac{5}{8} \end{array}$$

Subtract. Write each difference in simplest form.

1. 
$$\begin{array}{r} 9\frac{1}{2} \\ - 3\frac{3}{8} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 7\frac{1}{8} \\ - 2\frac{3}{6} \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 7\frac{1}{5} \\ - 2\frac{1}{8} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 4\frac{1}{4} \\ - 2\frac{5}{6} \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 9\frac{1}{8} \\ - 2\frac{1}{3} \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 5\frac{4}{5} \\ - 2\frac{1}{4} \\ \hline \end{array}$$

7. 
$$7\frac{15}{16} - 2\frac{4}{8}$$
  
\_\_\_\_\_

8. 
$$6\frac{1}{3} - 4\frac{5}{6}$$
  
\_\_\_\_\_

9. 
$$3\frac{1}{5} - 1\frac{9}{10}$$
  
\_\_\_\_\_

Write  $>$ ,  $<$ , or  $=$  for each  $\bigcirc$ .

10.  $7 - 3\frac{4}{9} \bigcirc 8\frac{1}{2} - 3\frac{1}{6}$

11.  $9\frac{2}{5} - 1\frac{4}{6} \bigcirc 10 - 2\frac{4}{15}$

12.  $6\frac{3}{8} - 5\frac{3}{4} \bigcirc 5\frac{1}{4} - 3\frac{5}{8}$

13.  $8\frac{3}{4} - 3\frac{4}{5} \bigcirc 5\frac{1}{3} - 1\frac{5}{6}$

## Problem Solving

Show Your Work

15. Zack has  $3\frac{1}{4}$  ft of wood. Lance has  $1\frac{3}{4}$  ft of wood. Zack cut a  $\frac{7}{8}$  ft piece from his wood and gave it to Lance. Who has more wood now? Explain.
- \_\_\_\_\_